

Date: Tuesday, 7/18/2006 2:33:00 PM  
 User: Kim Johnston

## Process Sheet

<b>Customer</b> : CU-DAR001 Dart Helicopters Services	<b>Drawing Name</b> : SHOULDER HARNESS
<b>Job Number</b> : 27934	
<b>Estimate Number</b> : 12332	
<b>P.O. Number</b> : N/A	<b>Part Number</b> : D412702031
<b>This Issue</b> : 7/18/2006 <b>S.O. No.</b> : N/A	<b>Drawing Number</b> : DSI 9322
<b>Prsht Rev.</b> : NC	<b>Project Number</b> : N/A
<b>First Issue</b> : N/A <b>Type</b> : PURCHASED PARTS	<b>Drawing Revision</b> : A
<b>Previous Run</b> : 26194	<b>Material</b> : N/A
<b>Written By</b> : <i>See comment below</i>	<b>Due Date</b> : 8/5/2006
<b>Checked &amp; Approved By</b> : <i>KS 06.07.19</i>	<b>Qty:</b> 4 <b>Um:</b> Each
<b>Comment</b> : Est Rev:A New Issue 06-03-10 JLM Est Rev:B Added DSI9322 06-03-21 EC	

## Additional Product

Job Number:



Seq. #:	Machine Or Operation:	Description :
---------	-----------------------	---------------

1.0	DC	DOCUMENT CONTROL
-----	----	------------------



(4)

**Comment:** Photocopy DSI9322 & type labels per PPP D412-702-031 CHG001

KS 06.07.19

2.0	PACKAGING 1	PACKAGING RESOURCE #1
-----	-------------	-----------------------



**Comment:** PACKAGING RESOURCE #1

Pick Packing Kit

3.0	D3496041	HARNESS ASSEMBLY
-----	----------	------------------



**Comment:** Qty.: 2.0000 Each(s)/Unit Total : 8.0000 Each(s)

Pick Packing Kit

Qty	Part Number	Description	Batch
2	D3496-041	harness	B27933 ✓

4.0	D30311	Loop
-----	--------	------



**Comment:** Qty.: 4.0000 Each(s)/Unit Total : 16.0000 Each(s) (8)

Pick Packing Kit

Qty	Part Number	Description	Batch
4	D3031-1	Loop	B25963 x 8, B27949 x 8 ✓

5.0	MS24693S280	Screw
-----	-------------	-------



**Comment:** Qty.: 8.0000 Each(s)/Unit Total : 32.0000 Each(s)

Pick Packing Kit

Qty	Part Number	Description	Batch
-----	-------------	-------------	-------

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Mfg / Design Mgr	Approval QC Inspector

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Design Mgr	Approval QC Inspector
			Initial Design Mgr	Action Description Design Mgr	Sign & Date			

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes ☒ No ☐ DQA: ☒ Date: 06/08/02

NOTE: Date & initial all entries

QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Date: Tuesday, 7/18/2006 2:33:00 PM  
User: Kim Johnston

5+

## Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: SHOULDER HARNESS

Job Number: 27934

Part Number: D412702031

Job Number:



Seq. #:

Machine Or Operation:

Description :

8

MS24693-S280

Srew

M 8649 x 11, M100622 x 21 ✓

6.0

AN960JD10

Washer



Comment: Qty.: 8.0000 Each(s)/Unit Total: 32.0000 Each(s)

Pick Packing Kit

Qty Part Number Description Batch

8 AN960JD10 Washer M100743 ✓

7.0

MS21042L3

Nut



Comment: Qty.: 8.0000 Each(s)/Unit Total: 32.0000 Each(s)

Pick Packing Kit

Qty Part Number Description Batch

8 MS21042L3 Nut M100094 ✓

RB 06/08/01

8.0

QC4

INSPECT 100% KITS FOR COMPLETENESS



Comment: INSPECT 100% KITS FOR COMPLETENESS

AL 06/08/01 (4)

9.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and pack for shipping as per PPP D412-702-031

Location:

PPP Rev:

Dept

AL 06/08/01 (4)

10.0

DC

DOCUMENT CONTROL



Comment: DOCUMENT CONTROL

Inspection Level 21

D 06/08/02 (4)

Job Completion



C 206/08/02

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Mfg / Design Mgr	Approval QC Inspector

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Design Mgr	Approval QC Inspector
			Initial Design Mgr	Action Description Design Mgr	Sign & Date			

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

NOTE: Date & initial all entries

QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

**DART**

DESIGN CP	DRAWN BY CP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED #	APPROVED #	DRAWING NO. DSI 9322	REV. A SHEET 1 OF 1
DATE 06.03.15		TITLE JUMP SEAT HARNESS INSTALLATIONS	SCALE NTS
A	06.03.15	NEW ISSUE	

## **DART SERVICE INSTRUCTION**

REFERENCE: IIN-D412-702 REV. C

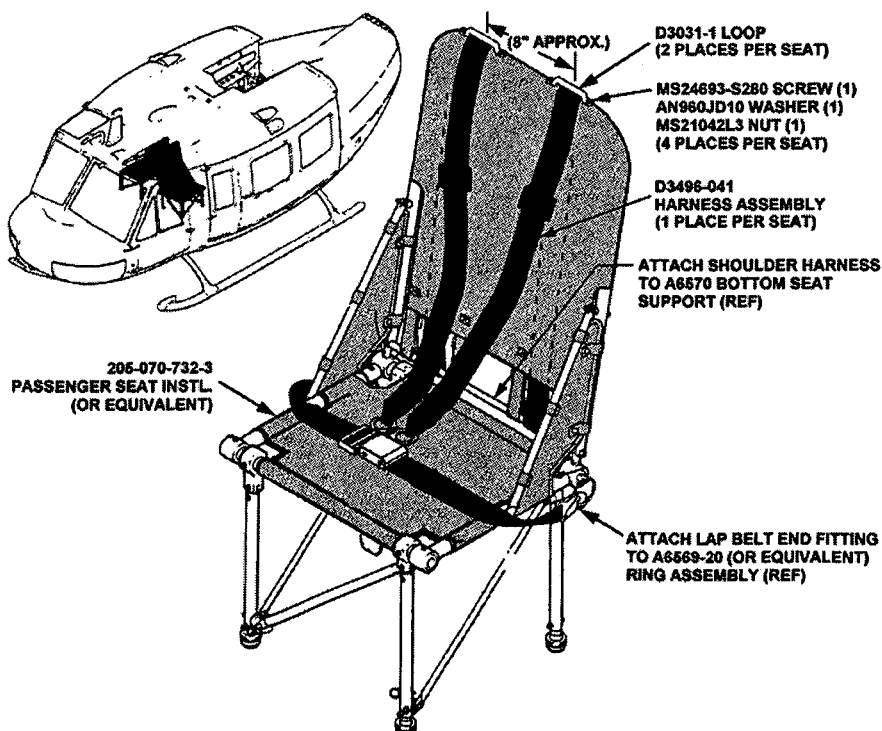
The following kit is available to provide 4-point shoulder harnesses for passengers on UH-1 aircraft:

The Dart **D412-702-031 Jump Seat Shoulder Harness Kit** provides 4-point harnesses for the 205-070-732-3 (or equivalent) passenger seat installations for the UH-1 aircraft. The harnesses for this kit are approved under JTSO-C114. Install the D412-702-031 kit as follows:

- 1) Locate the D3031-1 Loops on the seat as shown below and transfer drill qty(4) holes through the canvas and completely through the top bar. Open holes to  $\varnothing 0.203$ .
- 2) Install the D3031-1 Loops using the MS24693-S280 screws and associated hardware. To secure the nuts, a ratchet with an extension may be needed to reach the underside of the seat bar.
- 3) Attach the D3496-041 Harness Assemblies as shown below. The shoulder harness should loop through the D3031-1 loops down the back to the bottom seat support (ref p/n A6570 Bottom Seat Support, or equivalent) as shown. Temporarily remove the bottom seat support to attach the ends of the shoulder harness.

The parts list for the kits is as follows:

QTY	Part Number	Description
X	D412-702-031	Dart Jump Seat Shoulder Harness Kit, 4-point, for UH-1 aircraft
4	D3031-1	Loop
2	D3496-041	Harness Assembly, 4 point
8	MS24693-S280	Screw
8	AN960JD10	Washer
8	MS21042L3	Nut (or MS21042-3)



### **BELT END FITTING**

TO SECURE END FITTING:  
LOCKWIRE PER AC43.13-1B  
CHAPTER 7 SECTION 7 USING  
MS20995C41 LOCKWIRE OR INSTALL  
A MS24665 COTTER PIN

HOLE FOR  
LOCKWIRE

RETURN TO  
ENGINEERING  
UNCONTROLLED COPY  
SUBJECT TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER  
NO. 27934

Copyright © 2006 by DART AEROSPACE LTD

THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.